

FIG.

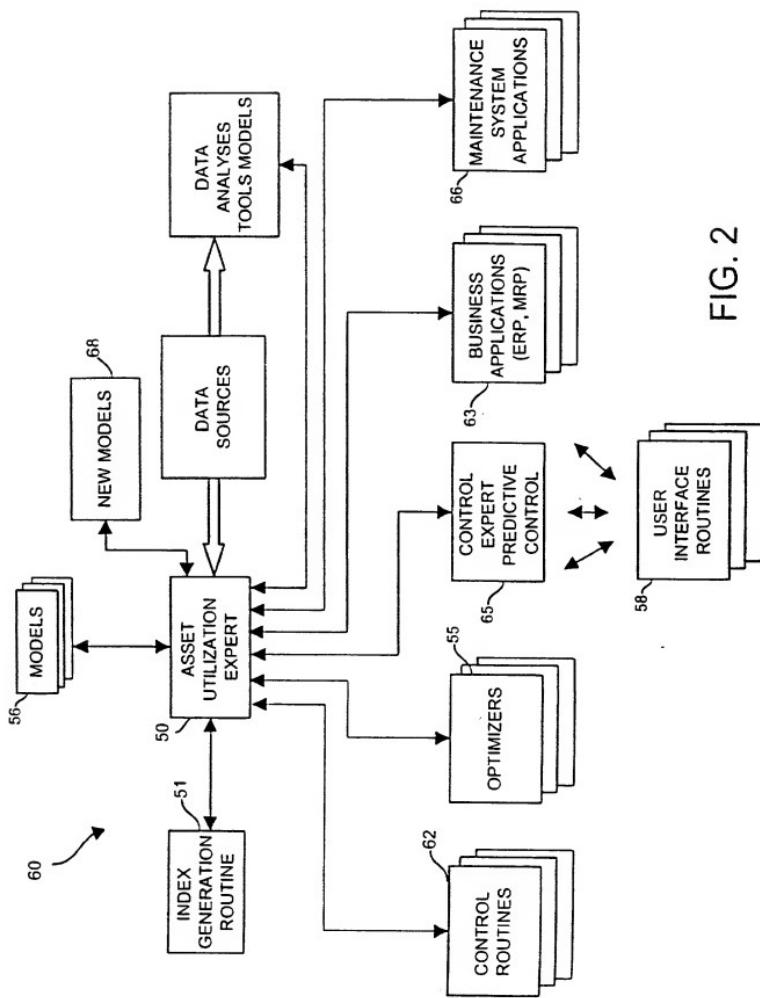


FIG. 2

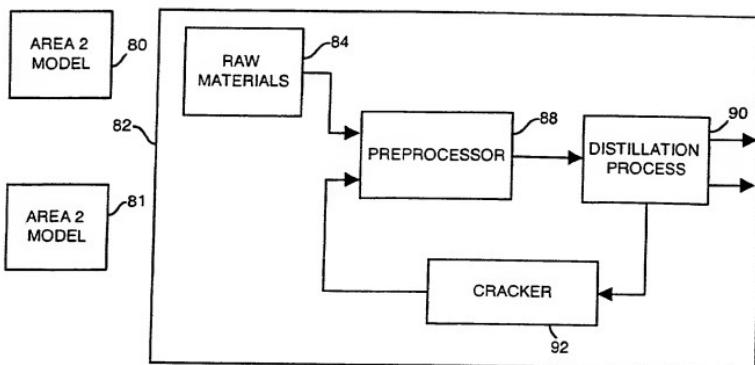


FIG. 3

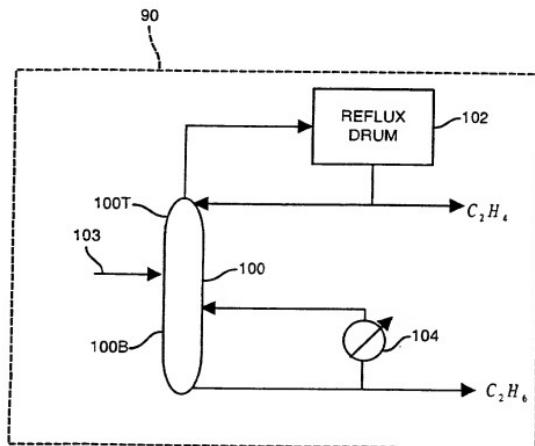


FIG. 4

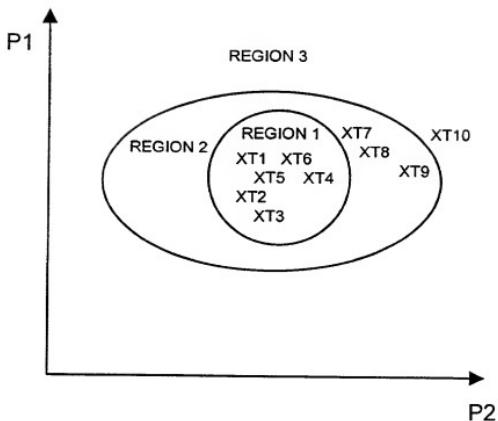


FIG. 5

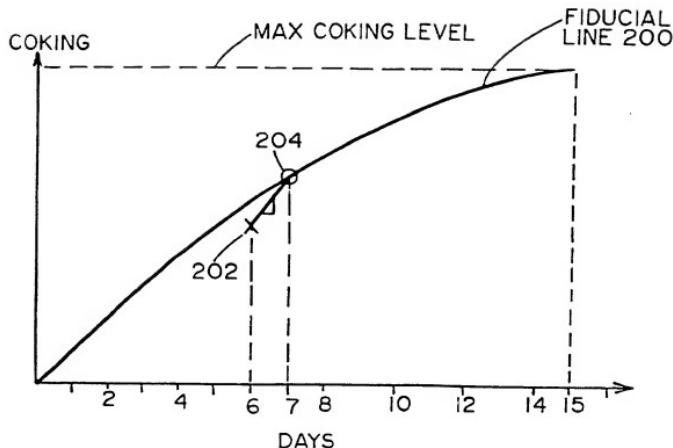


FIG. 6

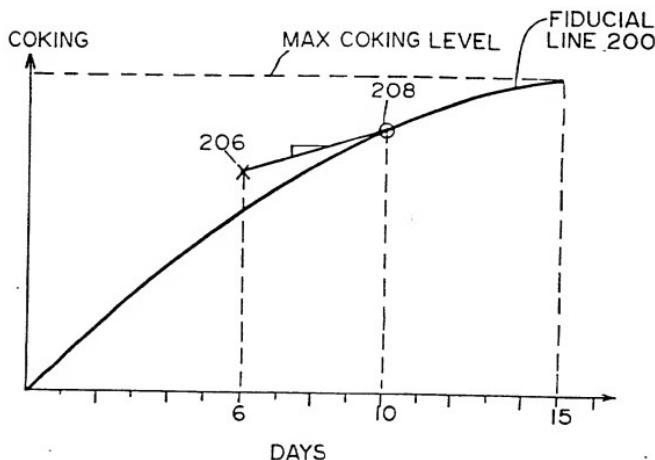
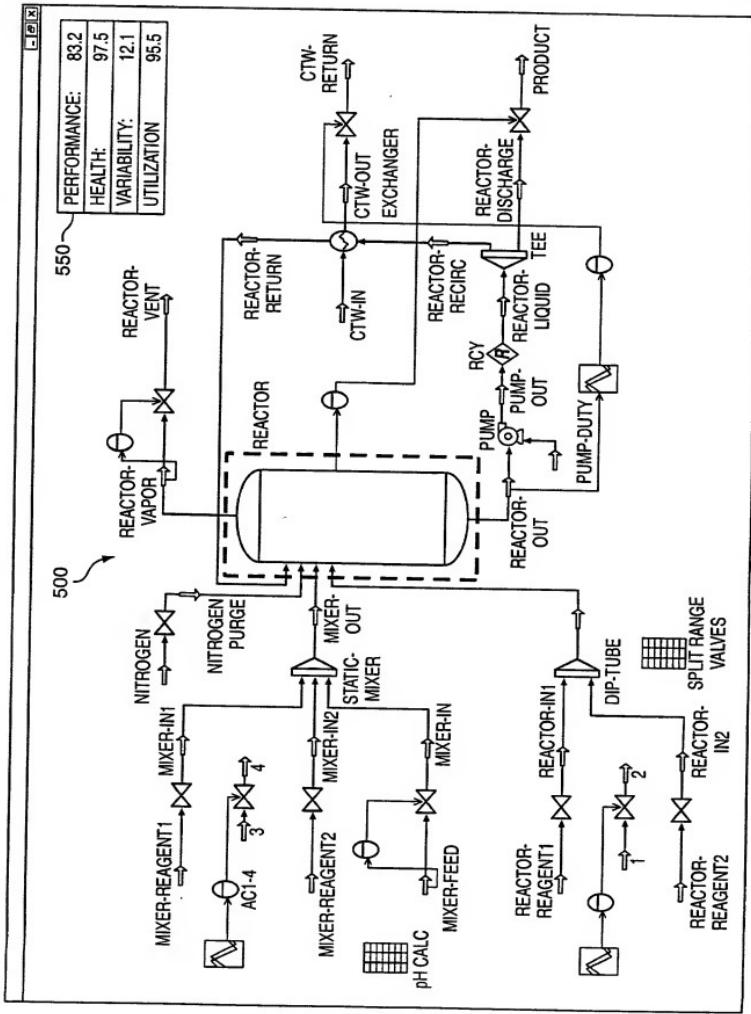


FIG. 7

F/G. 8



	PI	VI	HI	UI
Unit	x		x	x
Sub Unit	x		x	x
Loop		x	x	x
Device		x	x	

FIG. 9

PERFORMANCE FOR FCCU: 83.2

Loop Name	Index	Weight
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TCI-222	87	1
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TIC-222	87	1
PIC-111	87	1

FIG. 10

FCCU Health: 97.5

Device Name	Index	Description	Weight
FV-111	100	Leaking	3
TI-111	98	Sticktion	3
<u>LI-111</u>	90	40	3
MC-101	95	Will burn up in 2 weeks	3
FV-111	96	0	1

FIG. 11

FCCU Variability: 12.1

Device Name	Index	Weight
FV-101	0	3
TI-111	2	3
LI-111	40	3
FV-111	0	3
FV-112	0	1
TI-222	2	1
FI-101	7	3
TI-111	6	3
LI-111	7	3
FI-111	7	3
FI-112	7	1
TI-222	7	1
Sub unit: Reboiler RB101	15	2

FIG. 12

FIG. 13

Process "SystemRoot"

- 6 X

Alarms	Process	Impulse Line
--------	---------	--------------

Plugged Impulse Line Detection

Time Stamp 16:72:12

Status

OK  
 Inactive  
 Learning  
 Verifying  
 Insufficient Dynamics  
 Bad PV Status  
 Not Licensed

All Lines Plugged

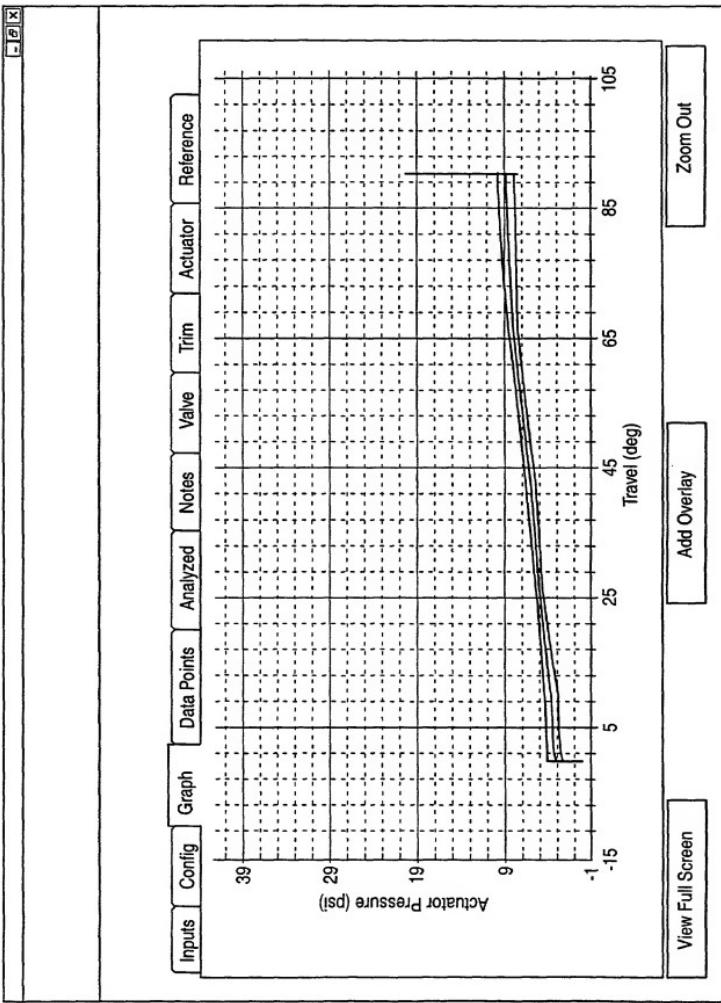
Plugged Impulse Line History

Time Stamp 16:72:12

Status

All Lines Plugged  
 No History

FIG. 14



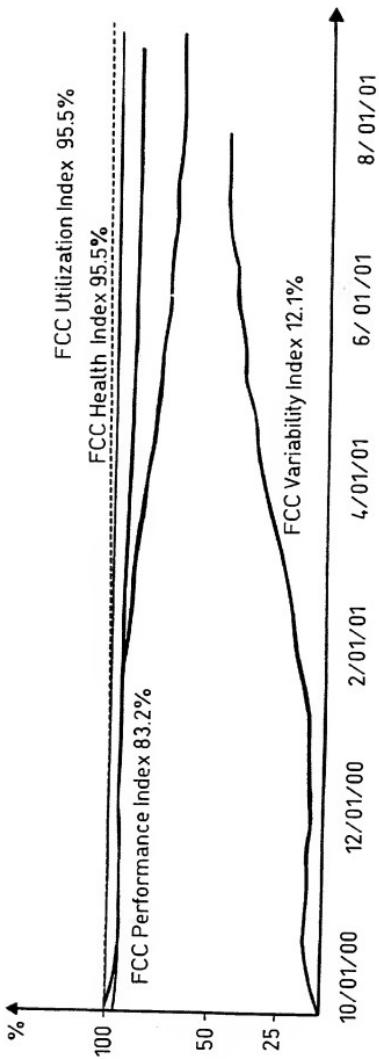


FIG. 15

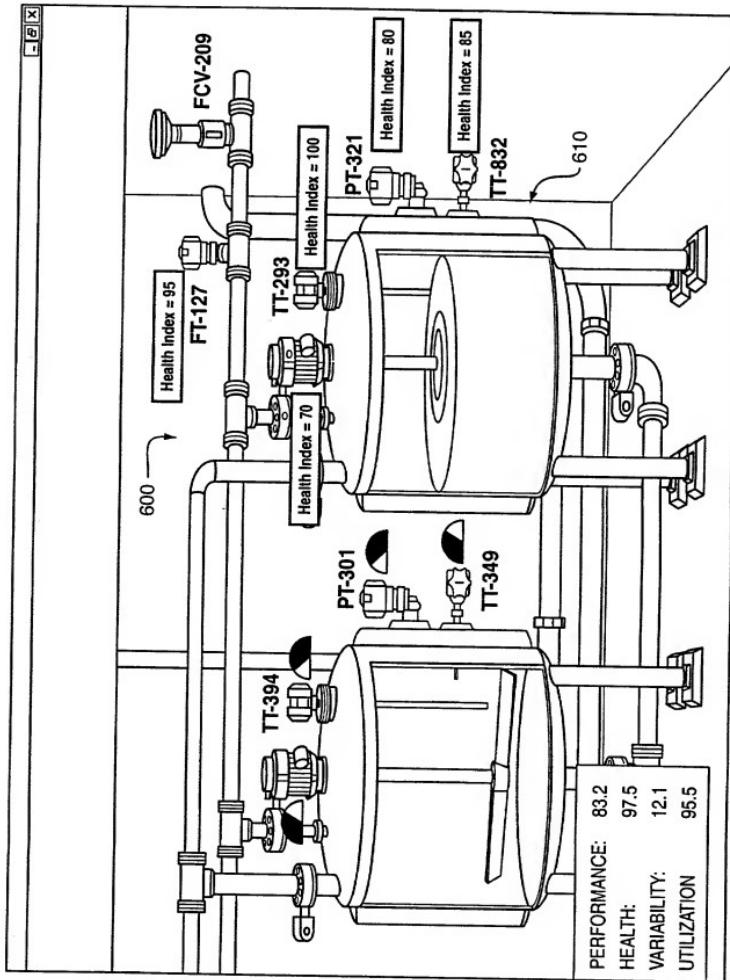
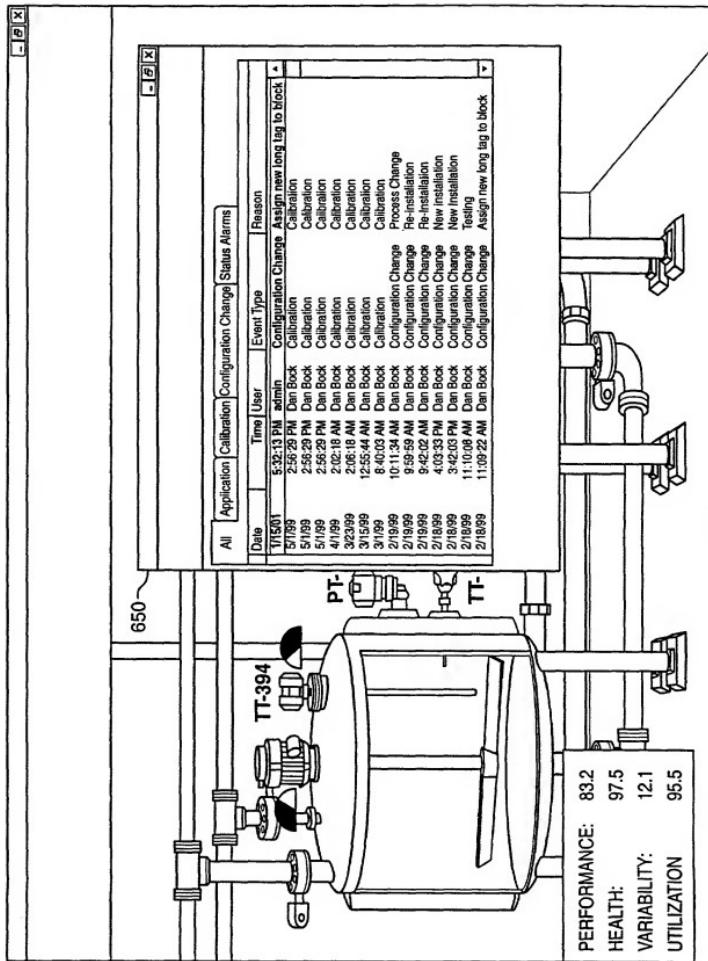


FIG. 16



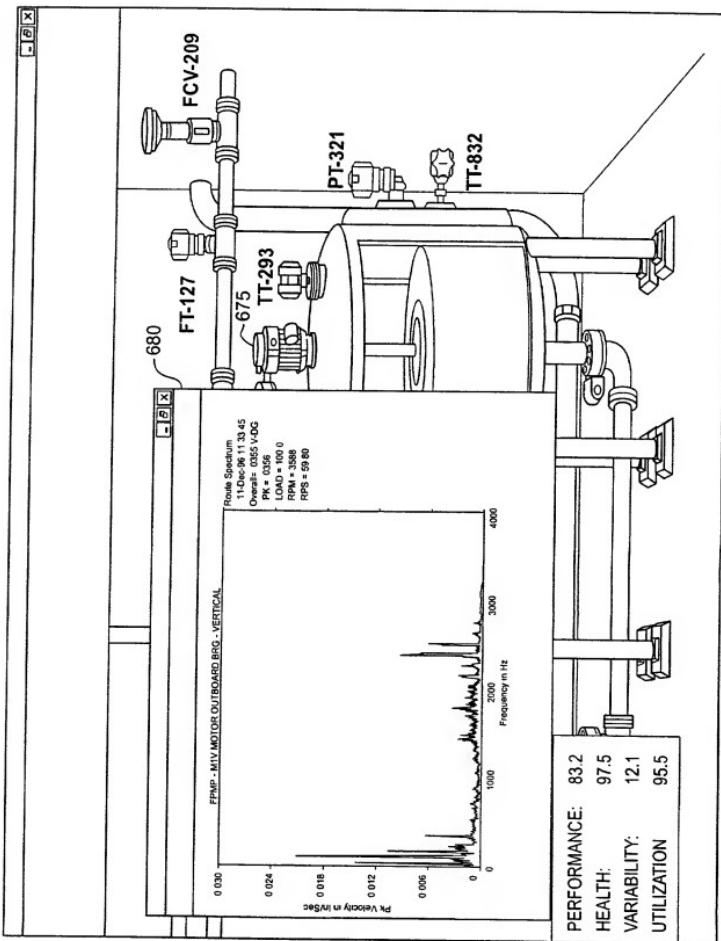


FIG. 18

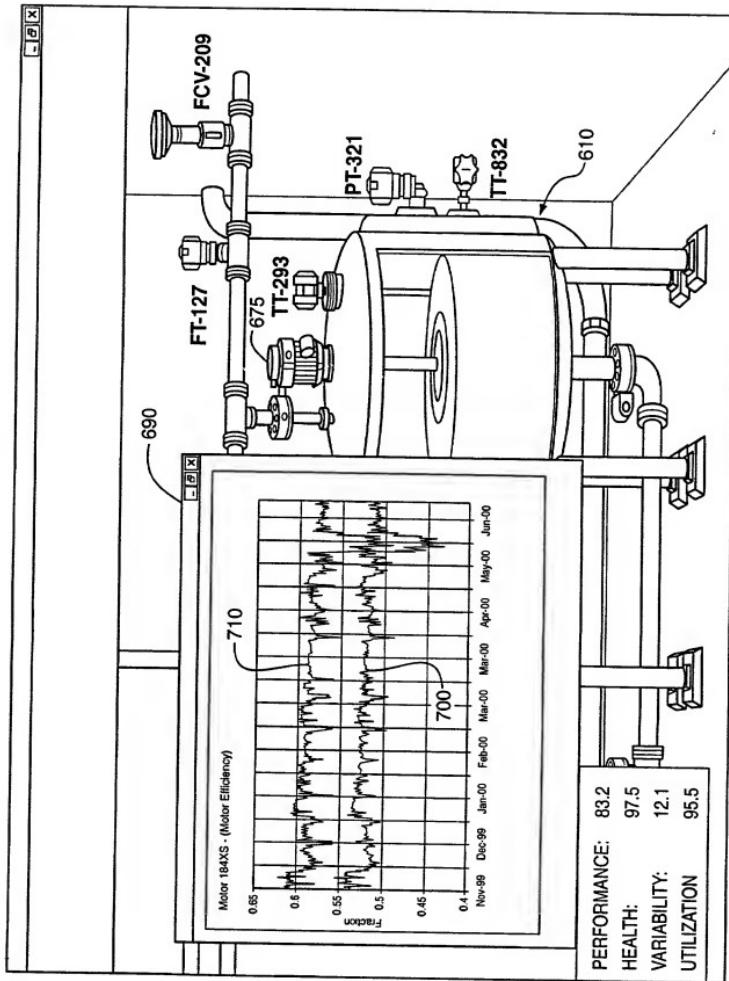


FIG. 19

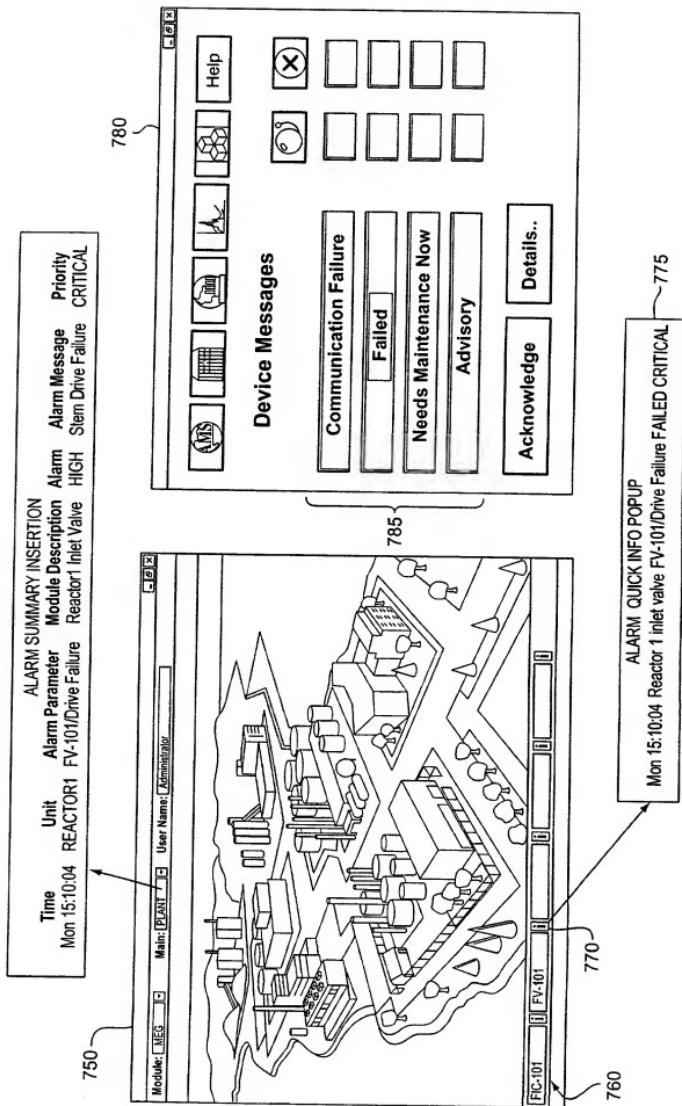


FIG. 20

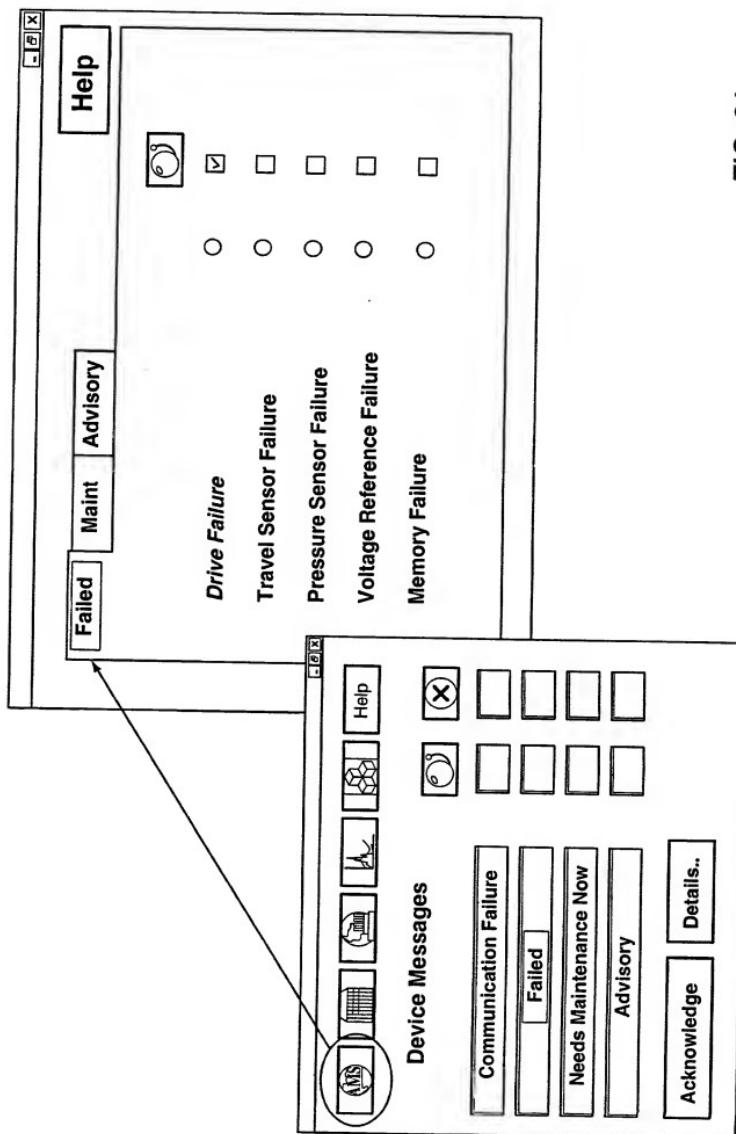


FIG. 21

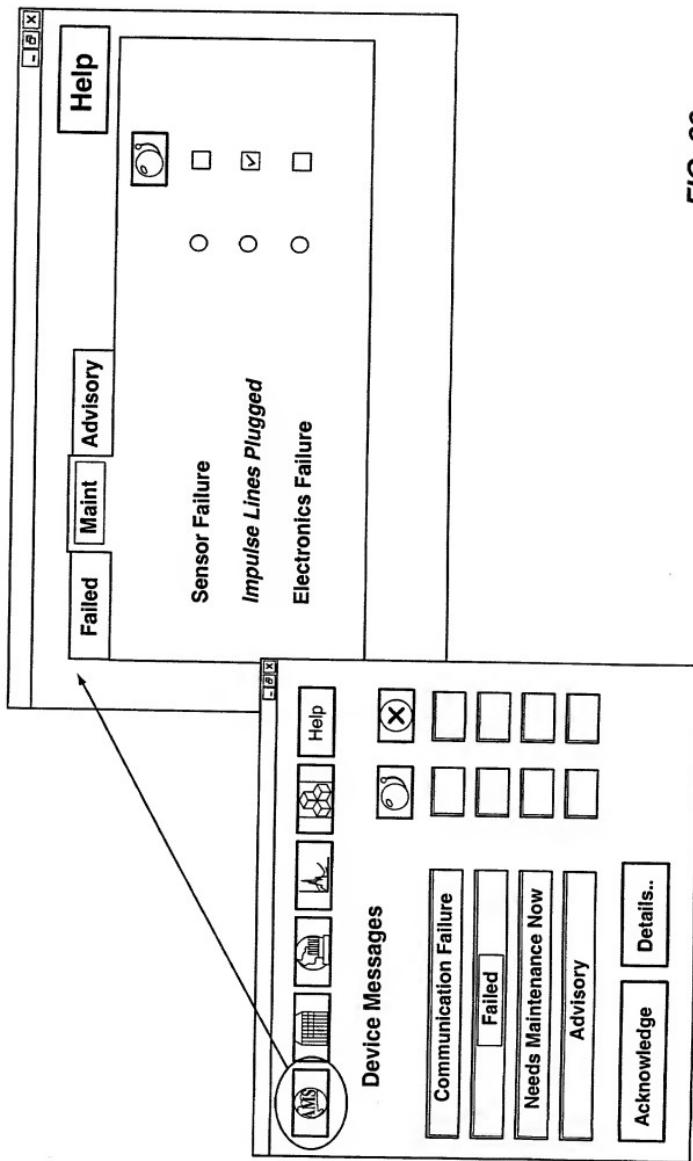


FIG. 22

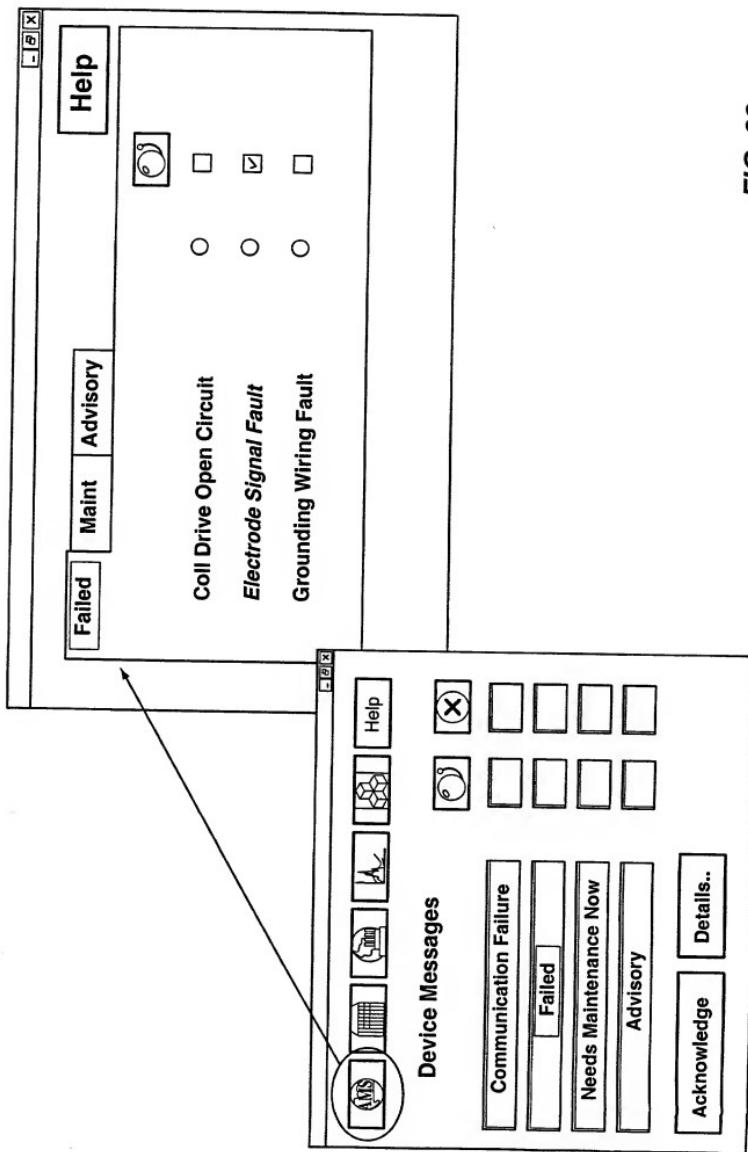


FIG. 23

**FIG. 24**

**Electrode Signal Fault Detected**

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.
  2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.
  3. Verify flowtube is electrically connected to the process with grounding electrode grounding rings with grounding straps, or lining protector with grounding straps.
  4. Verify transmitter electronics with Model 8714 reference standard. The dial on the 8714 should be set at 9.1 m/s (30 ft/sec). The transmitter should be set up with the nominal flowtube calibration number (10000:501000000) and 5 Hz coil drive frequency.
  5. Properly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.
- To turn off electrode signal fault detection, go to the diagnostic screen in the transducer block properties.

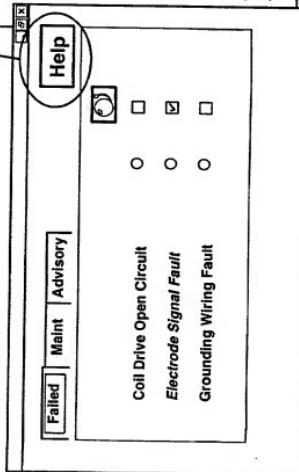
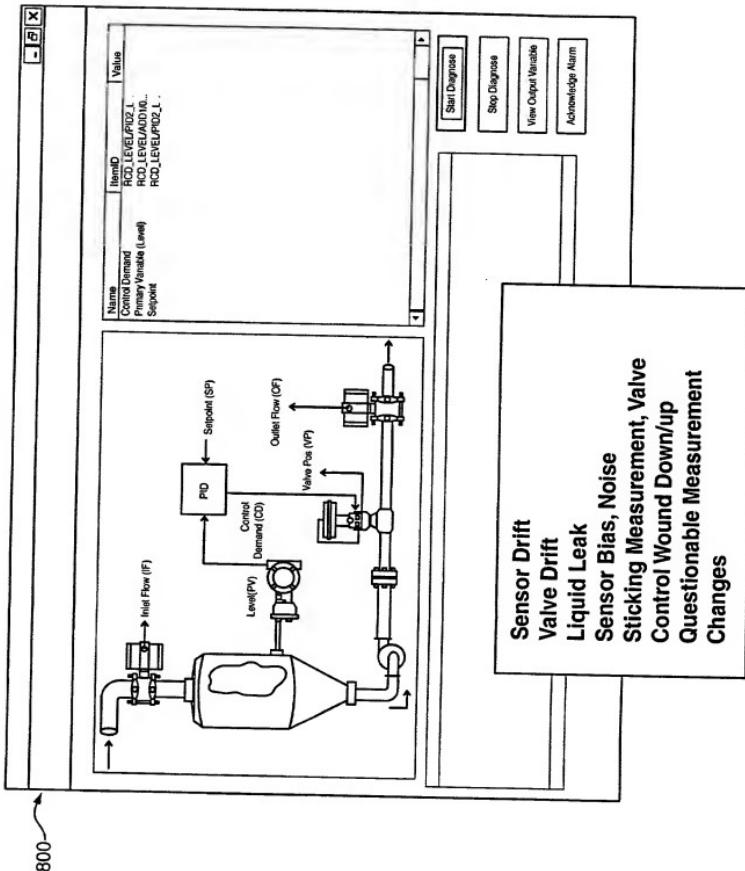


FIG. 25



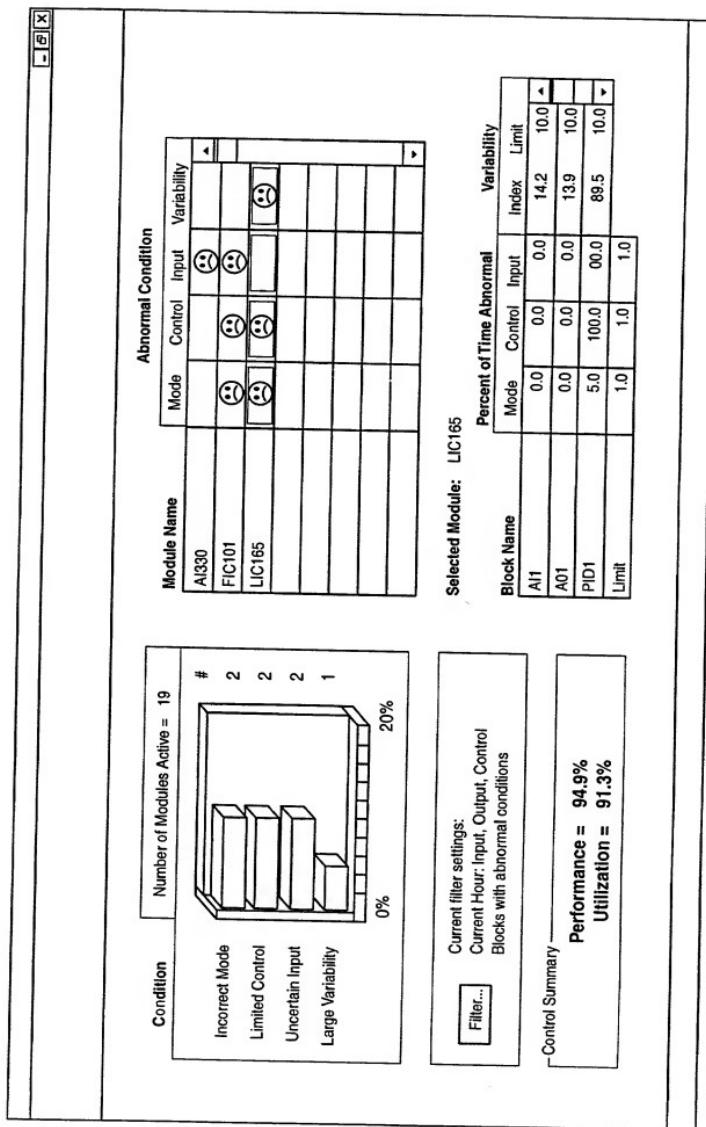
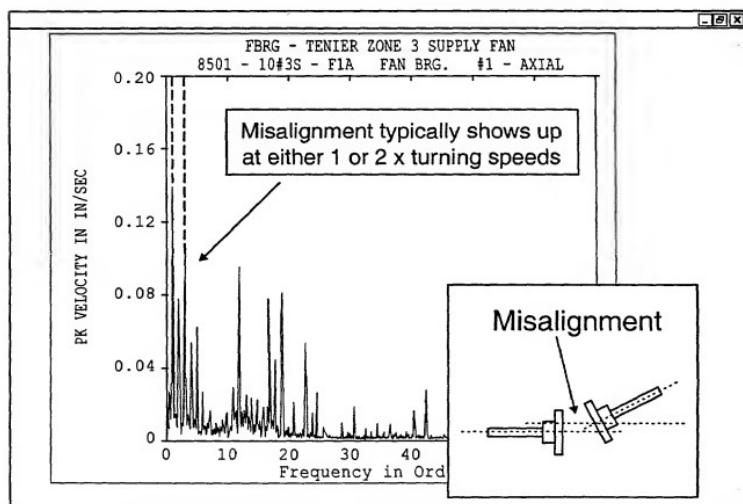
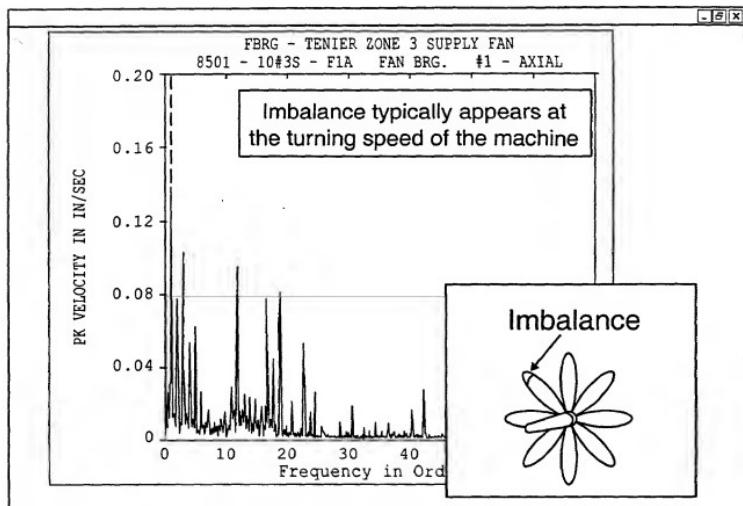
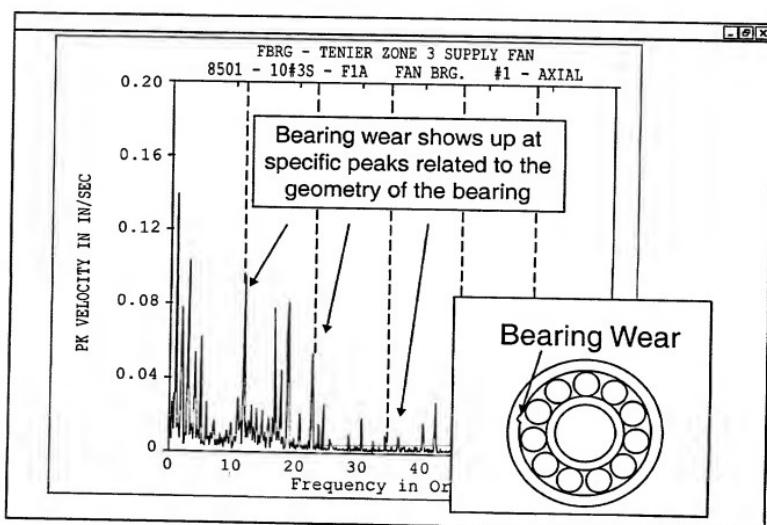
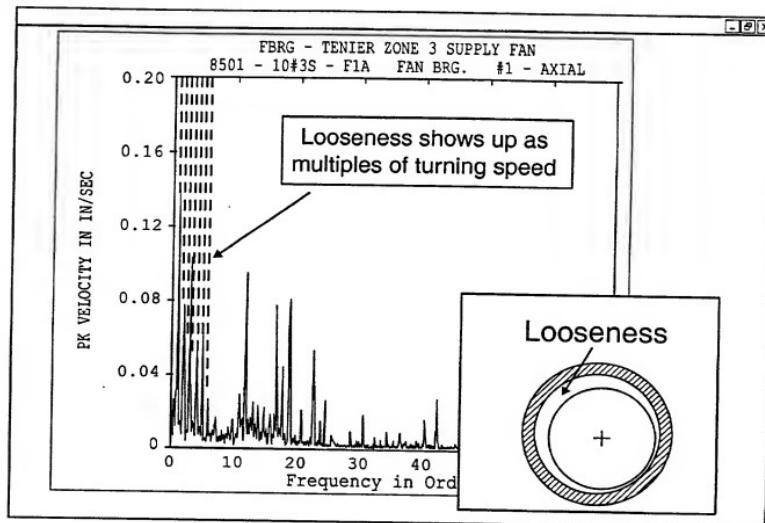


FIG. 26

	Work Order	Plans	Actuals	Costs	IWO Hierarchy	Safety Plan	Failure Reporting	Linked Documents
<b>Modules</b>	Work Order [1194]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Work Orders	Location [BECUBE]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
PMS	Equipment [TE111]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Inventory	Reported By [MAXIMO]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Equipment	Status [WESCH]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Purchasing	GL Account [ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Plans	Job Details	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Labor	Job Plan [ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Calendars	Safety Plan [ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Resources	PM AMS[0130]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Custom Apps	Service Contract [ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Scheduling Information								
Setup Utilities	Start	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Target	[8/18/00 11:42AM]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Scheduled	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Actual	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Completion	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	[8/18/00 11:42AM]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Estimated Duration	[0.00]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Remaining Duration	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Modified	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Crew	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Interruptible?	[ ]	[ <input type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	By Maximo	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Date	[8/18/00 11:42AM]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Has Follow-up Work?	[N]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Originalizing WO	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Follow-up Work	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Responsibility	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Supervisor	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Labor Group	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Lead Craft/Person	[ ]	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]	[ ]

FIG. 27





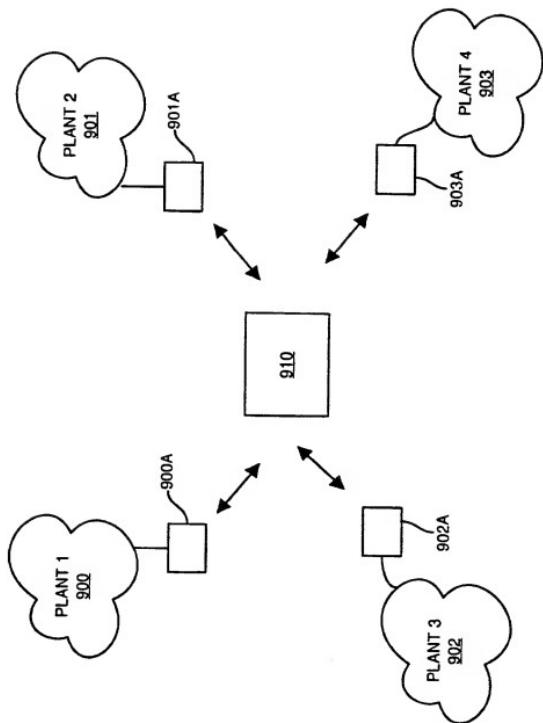


FIG. 32

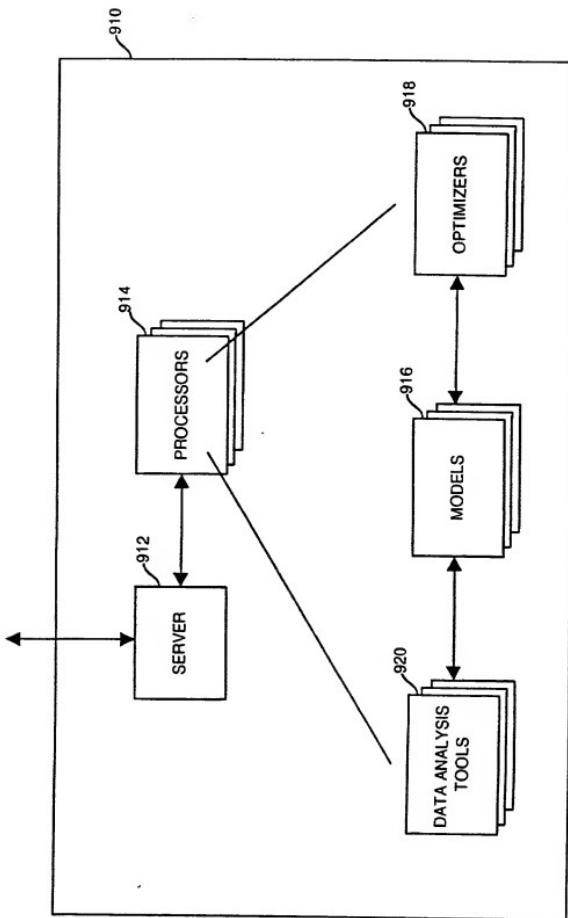


FIG. 33